

THE PLASTIC POLLUTION REDUCTION STANDARD

REVISION HIGHLIGHTS

Compared to the previous version, this Plastic Pollution Reduction Standard version (Version 6) includes:

- i. Requirement for baseline analysis to establish Additionality for Aggregating and Processing Partners;
- ii. Inclusion of definitions for Global Plastic Debt, Industry Working Group and Post-Consumer Plastic;
- iii. Introduction of the Global Plastic Debt estimate based on PCX analysis;
- iv. Inclusion of the PCX mission and vision statement;
- v. Emphasis on Plastic Credits as part of a solution set for organizations and not an excuse to pollute;
- vi. Inclusion of Additionality as a Guiding Principle;
- vii. Alignment of PPRS with the UN Sustainable Development Goals;
- viii. Alignment of the PPRS with EPR principles and policies and harmonization with other standards and certifications;
- ix. Inclusion of certification details for products with recycled content based on DIN specifications;
- x. Specification of the requirement for compliance to the UNEP Basel Convention Technical Guidance for Co-processing Plants;
- xi. Inclusion of the certification requirements for Plastic-Free / Neutral / Negative Event;
- xii. Alignment of Plastic Footprint Calculation tools with the WWF ReSource or other EPR toolkit as long as the minimum required information are present; and
- xiii. Inclusion of Grievance and Feedback channel at the PCX.

DEFINITION OF TERMS

Aggregators: An individual, a group of individuals, or an organization (government or non-government) who collects post-consumer plastic waste and forwards this to Processors.

Assessment: Process of quantifying the plastic footprint of a given entity through a third-party independent auditor, using transparent methods that are consistent for all organizations.

Auditor: A qualified individual or an entity who is tasked to perform an Assessment or process review of any Partner, Aggregators, or Processors.

Awarded Plastic Credit: A plastic credit purchased and assigned to an Offset Partner and registered in the blockchain ledger.

Blockchain: A secure digital database that tracks the information on the activity and status of plastic credits and shares this with public.

Claim: A declaration by a company regarding their Plastic-Free / Neutral / Negative status whether through self-declaration or external party certification.

Global Plastic Debt: Total amount of plastic that has been produced and remains present in the environment or in circulation which will need to be cleaned up.

Industry Working Group: Select panel of industry experts invited by PCX for focused group discussions meant to provide consolidated and comprehensive positions regarding the Plastic Pollution Reduction Standard and its implementation.

Ocean-bound Plastic: Post-consumer plastic collected within a 50-kilometer distance from the nearest coastlines, which if not recovered, is expected to leak into the environment.

Offset Partner: An individual, a group of people or a corporation purchasing plastic credits and/or applying for a plastic neutral or negative certification.

Operating Partner: May refer to Aggregator, Processors or an entity that covers both aggregation and processing.

Plastic/s: Any of a group of synthetic or natural organic materials, including resins, resinoids, polymers, cellulose derivatives, casein materials, and proteins.

Plastic Credit: Transactable environmental asset representing a unit of weight, typically 1,000 kilograms or 1 metric ton, of plastic waste from documented and verified plastic offsets and registered in the blockchain ledger.

Plastic-Free: State in which an individual, company, brand, product, or service has made conscious and verified efforts to refrain from using plastic.

Plastic-Free Partner: An individual, a group of people, or a corporation applying for a plastic-free certification.

Plastic Footprint: Amount of plastic emitted into the environment as a result of the activities of a business based on a defined scope. This includes plastics emitted through manufacture, distribution, promotion and sale of its product or service, as well as general and administrative functions. This represents an inventory, in units of mass (kg or metric ton) of plastic waste.

Plastic Neutral: State which is achieved when at least 100% of the net plastic footprint associated with a company, brand, product, or service is reduced to zero through combination of various solutions (including Plastic Offsetting) for a defined period.

Plastic Negative: State which is achieved when at least 200% of the net plastic footprint associated with a company, brand, product, or service is processed through combination of various solutions (including Plastic Offsetting) for a defined period

Plastic Offsetting: Act of recovering and processing post-consumer plastic waste to compensate for an established plastic footprint for a defined period.

Plastic Reduction Goal: May refer to a state of being Plastic-Free, Plastic Neutral, or Plastic Negative as defined in the PPRS.

Post-consumer Plastic: Plastic waste generated by households or commercial facilities as end-users of the material and does not cover manufacturing or industrial waste.

Processors: Facility that receives, treats, or converts post-consumer plastic waste into other useful forms through material or energy recovery.

Verification: Independent evaluation conducted by any qualified third-party to check that the quality of input data, plastic footprint assessment, or that the use of certification badge is in line with the approach and principles of the Plastic Pollution Reduction Standard.

CONTENTS

REVISION HIGHLIGHTS	2
DEFINITION OF TERMS	3
CONTENTS	5
1 INTRODUCTION	6
2 OBJECTIVES AND GUIDING PRINCIPLES	7
3 SCOPE – PLASTIC CREDITS	10
4 PLASTIC CREDITING PROCESS	13
5 CERTIFICATION PROCESS	15
6 SAFEGUARD SYSTEMS	19
7 APPENDICES	20

1

INTRODUCTION

Plastic Credit Exchange (PCX) recognizes the decades-long global challenge of plastic waste. According to a report conducted by the UN Environment Programme (UNEP), the world produces 300 million tonnes of plastic waste every year. Only 9% of all plastic waste that has ever been produced has been recycled; 12% has been incinerated, while the remaining 79% has accumulated in landfills or the environment—where they can persist for centuries.¹ By the year 2040, the annual flow of plastics going into the ocean may reach up to 29 million tons (three times the current estimates)². In a technical note released in November 2021, PCX goes further into estimating what PCX defines as the **Global Plastic Debt**³. By the end of November 2021, the estimated Global Plastic Debt will be over 8 billion tons of plastic that has been produced and remains present in the environment or in circulation which will still need to be cleaned up.

PCX is the world's first global, non-profit, fully integrated plastic offset platform which offers a seamless, traceable and effective solution to offsetting post-consumer plastics responsibly away from landfills and oceans. We're mobilizing businesses in the fight against plastic waste. We help businesses responsibly offset their plastics footprint by reducing the flow of plastic pollution into the environment. Our ultimate goal is to reduce the use of plastics in products and in our lives. We partner with communities in some of the most polluted areas in the world, empowering them to clean up the plastic waste already in their backyards. By feeding a circular economy, we're making a tangible impact on the ground where it matters most. We view plastic offsetting, not as an excuse to pollute, but only as part of a comprehensive solution set for businesses and individuals to take responsibility for the plastic waste that continues to threaten our environment. All stakeholders must do their best to reduce, reuse and recycle plastics whenever and wherever possible.

The Plastic Pollution Reduction Standard (PPRS), along with our processes, constantly evolves to reflect the latest environmentally responsible solutions, government policies, and industry best practices in all the markets we operate in. PCX was the first to publish a standard on plastic waste management as early as March 2020. PCX has since conducted various reviews and revisions that have led to this current version effective January 2022. PCX reviews and publishes the PPRS on a regular basis – refer to the PCX website for the latest version of the standard.

¹ United Nations Environment Programme (UNEP), 'Beat Plastic Pollution', *UNEP: Beat Plastic Pollution*, <https://www.unep.org/interactive/beat-plastic-pollution/>, (June 2021)

² Breaking the Plastic Wave, PEW Charitable Trusts and Systemiq, 2020.

³ Plastic Credit Exchange. *What is the Global Plastic Debt?*. October 2021.

2

OBJECTIVES AND GUIDING PRINCIPLES

PCX aspires to clean up the Global Plastic Debt which has accumulated over eighty years. We encourage the elimination of all unnecessary plastics and support the responsible production and management of any plastic that remains so that it doesn't wind up in nature.

The objective of the Plastic Pollution Reduction Standard is to provide a framework for the implementation of a credible and verifiable plastic offsetting program. PCX, through its network of partners, provides a safe and transparent system of physically collecting, transporting, and processing plastic waste to prevent leakage into the environment. Through a fully audited process, PCX translates the weight of Plastic Offsets to the equivalent Plastic Credits registered on our blockchain ledger. Any individual or corporation may purchase Plastic Credits as a means to take responsibility for their plastic waste and achieve their sustainability goals on plastic pollution reduction.

PCX emphasizes that the concept of Plastic Credits is not an excuse for organizations to abandon the reduction of plastics being used in their products. PPRS is rooted in plastic pollution reduction by stopping the flow of plastics in nature while better means of packaging and recycling are being developed. Plastic Credits should be a part of the organization's comprehensive strategy or a solution set and Plastic Credits should be diminishing over time as more sustainable materials and technologies emerge.

Plastic Reduction Goals are sustainability-driven commitments and actions taken by an individual or business, voluntarily or through compliance, to compensate for the environmental impact of its Plastic Footprint. PPRS is guided by the following principles:

- a. **Conservativeness** - Businesses making claims of Plastic-Free/Neutral/Negative status agree to exert best effort to be as accurate as possible. In cases where this is not feasible, businesses agree to undertake conservative approaches and to disclosing the methodologies that underlie their claims.
- b. **Integrity and Consistency**- PCX operates in accordance with third-party verification to ensure that claims of Plastic-Free/Neutral/Negative status are applied consistently and appropriately across relevant and intended users of the PPRS.
- c. **Transparency and Traceability** - PCX shall disclose relevant and sufficient information of stakeholder interest available to the public, making every effort to ensure easy, prompt, and practical access to the appropriate information. The

registry is protected by a blockchain ledger – a robust and tamper-proof way to manage every Plastic Credit processed. Once the Plastic Credit is registered on the blockchain ledger, it is considered retired and can no longer be reassigned.

- d. **Additionality-** PCX targets operations in communities where there is high mismanagement of plastic waste in order to introduce innovative solutions ensuring that any plastic collected finds its way back into the circular economy. During the accreditation of partners, PCX establishes baseline measurements to ensure that any offset volumes claimed are incremental benefits to the status quo.
- e. **Continuous Improvement-** PCX is committed to regularly review and refine the PPRS for the benefit of the environment and the stakeholders. PCX benchmarks the processes and results to make sure that operations are harmonized and compliant with international industry best practices.

PPRS actively aligns our activities and results with international standards such as the United Nations Sustainable Development Goals (UN SDGs). This is illustrated as follows:

#	UN Sustainable Development Goals		PCX Projects and Activities
1	No Poverty	<ul style="list-style-type: none"> End poverty in all its forms everywhere 	PCX partners with communities that provides incremental income from the collection of post-consumer plastics.
5	Gender Equality	<ul style="list-style-type: none"> Achieve gender equality and empower all women and girls 	PCX implements a community-based post-consumer plastic buy-back program through women micro entrepreneurs .
11	Sustainable Cities and Communities	<ul style="list-style-type: none"> Make cities and human settlements inclusive, safe, resilient and sustainable 	Organizations pledge to take responsibility for their Plastic Footprint (fully or partially) through PCX.
12	Responsible Consumption and Production	<ul style="list-style-type: none"> Ensure sustainable consumption and production patterns 	PCX provides certification and eco-labeling for qualified partners allowing for the public to choose products that support responsible consumption.
14	Life Below Water	<ul style="list-style-type: none"> Conserve and sustainably use the oceans, seas and marine resources for sustainable development 	PCX collects post-consumer plastics diverting these plastics away from rivers and oceans.

Further, the PPRS is a means to align with international and industry developments such as the Extended Producer Responsibility (EPR) policies and adapts the more stringent requirements specific to the existing regulations in the Partner's respective country. PCX actively works with international organizations, aligns with leading certifications, and with established Industry Working Groups to consolidate language, definitions and positions to drive credibility and adoption of the Plastic Pollution Reduction Standards.

Guidance from PCX's Advisory Board is intended to provide country-specific insight where operations already exist and champion sustainability through the crafting of Plastic Credit Exchange policies. More details can be found about each country's Advisory Board at www.plasticcreditexchange.com



3

SCOPE – PLASTIC CREDITS

PPRS covers the processes of certifying companies or organizations to be Plastic-Free, Plastic Neutral or Plastic Negative or securing Plastic Credits. For Plastic Neutral applications, PCX awards certification to an Offset Partner that purchases Plastic Credits equivalent to the Offset Partner's Plastic Footprint. The Plastic Credits should be of the same type of plastic or a type that is deemed more harmful for the environment.

PPRS also provides a way to certify products made up of recycled, post-consumer plastics based on existing and developing international standards such as DIN SPEC 91446 (Classification of recycled plastics by Data Quality Levels for use and (digital) trading), DIN EN 15343:2008-02 (Plastics - Recycled Plastics – Plastics Recycling traceability and assessment of conformity and recycled content) and similar independent party verification.

Materials. Plastic offsetting as defined in the PPRS covers a wide range of plastics that go into the waste stream. These include:

- i. All materials made of the seven types of plastics: Polyethylene Terephthalate (PETE or PET), High-Density Polyethylene (HDPE), Polyvinyl Chloride (PVC), Low-Density Polyethylene (LDPE), Linear Low-Density Polyethylene (LLDPE), Polypropylene (PP), Polystyrene or Expanded Polystyrene (PS or EPS) and Other Plastics (O).
- ii. Any of a group of synthetic or natural organic materials, including resins, resinoids, polymers, cellulose derivatives, casein materials, and proteins which include, among others, acrylic or poly methyl methacrylate, acrylonitrile butadiene styrene (ABS), polyamide (nylon), polycarbonate and polylactic acid.

For the processing of post-consumer tires, PCX provides guidance on the accounting of plastic out of the total weight of the material as follows:

Plastic Credit from Used Tires = Weight of Used Tires * % Synthetic Content

For more information, please refer to [PCX Guidance Note 01 Plastic Credits from Used Tires](#).

- iii. Composite materials containing the plastics and material types listed above, such as multilayer paper boards with polyethylene and/or aluminum layers.

Aggregation. This includes in scope all informal waste collection activities, community waste collection from the environment, and government or private-led waste collection activities. PCX provides operational guides in the conduct of aggregation across industries.

Processing. As the optimal recovery option for plastic waste depends on many prevailing circumstances, life-cycle analysis should be applied to decide, depending on the type and composition of the plastic waste and the capabilities and regulations in the respective countries, which options are environmentally more favorable and sustainable. In the case of commingled or composite plastic waste, energy recovery and some feedstock recycling processes will sometimes represent the optimal choice. Plastic waste may be managed utilizing a hierarchical framework comprising life-cycle strategies for prevention and minimization of waste and of its potentially adverse environmental impact as described in ISO 17422. In general, plastic waste processing technologies utilized by PCX partners can be divided into the following classes:

- i. Material recovery (mechanical recycling, chemical or feedstock recycling, and biological or organic recycling).
- ii. Energy recovery in the form of heat, steam, or electricity generation using plastics waste as substitutes for primary fossil fuel resources.
- iii. Other emerging technologies which are qualified based on PCX's requirements.

PPRS provides guidance (Appendix 01. Accreditation of Operations Partners) to ensure that our partner Aggregators and Processors abide by local and international environmental and social requirements for their respective process. For the example of co-processing plants, the PPRS aligns the requirements of the Technical Guidelines on Environmentally Sound Co-processing of Hazardous Waste in Cement Kilns released by the UN Environment Programme Basel Convention. Similar references will be used based on the type of process covering environmental, social and safeguard systems.

PPRS aligns with the definition of the Asian Development Bank⁴ that “incineration” should be distinguished with modern treatment technology that allows for energy or material recovery. The former refers to a process that is done means solely for disposal with no mitigation measure while the latter is conducted as a means to recover energy or materials and should have the appropriate technologies to mitigate adverse impact to the air.

Auditors. PCX works with in-house and industry partners who can provide assurances consistent with the requirements of the PPRS, local regulations and international best practices. PCX reserves the right to qualify Audit Partners who have passed PCX’s due diligence. Partner Auditors also provide a level of verification in the blockchain ledger.

⁴ Asian Development Bank’s Waste-to-Energy in the Face of Circular Economy Best Practice Handbook published December 2020 <https://www.adb.org/publications/waste-to-energy-age-circular-economy-handbook>

4

PLASTIC CREDITING PROCESS

(For Offset Partners and Operating Partners)

1. **Purchasing Plastic Offsets.** Offset Buyers may purchase or commit to purchase Plastic Offsets for a defined period. Purchasing Plastic Credits. Offset Partners may purchase or commit to purchase Plastic Credits for a defined period. Assignment of Plastic Credits to the Offset Partner should be specified at the signing of the documentary requirements. This is finalized upon verification of the plastic offsets. A Plastic Credit can be assigned in the name of an individual or an organization. Attribution for a Plastic Credit is done upon verification of the plastic offset.
2. **Sustaining Ecosystem.** PCX enables a series of activities (aggregation, logistics, and processing) from proceeds in plastic offsetting and crediting . In addition to the cost of operations, PCX allocates a percentage of the funds to the following advocacies:
 - a. Education
 - b. Infrastructure
 - c. Negative Tonnage
3. **Verification.** PCX continuously verifies offsets recovered and processed through accredited partners. Verified plastic offsets shall be compared to the baseline measurements for additionality confirmation and remain valid and transactable until the Plastic Credits are used against a company's Claim (Plastic Neutral / Negative). The validity period is provided to ensure that there is a continuous drive to divert fresh plastic waste from the environment.
4. **Certification.** PCX shall release a Plastic Credit Certificate to the Offset Partner with corresponding supporting documents. These Certificates and the respective support documents will be published on the blockchain ledger and be accessible to the public.

5. **Documentation.** Plastic Credits will be issued based on the actual plastic waste recovered and processed through accredited Aggregators and Processors. The quality and quantity of offsets shall be supported by documentation submitted to PCX or our audit partners and shall be incorporated as attachments in the Plastic Credit Certificates. These supporting documents may include but are not limited to the following:

- a. Certificate of processing
- b. Certificate of pre-treatment
- c. Certificate of Environmental Compliance
- d. Delivery receipts
- e. Calibration records



5

CERTIFICATION PROCESS

(For Plastic-Free and Offset Partners)

The PPRS is designed to encourage individuals and businesses to refrain from the use of or to take responsibility for their own Plastic Footprint. PCX provides options for individuals and businesses to participate while maintaining a high degree of accountability and transparency.

For businesses, the state of being Plastic-Free/Neutral/Negative may be achieved at different levels of an Offset Partner's operations – at a product level, at a brand level or at the level of the entire company or event.

Product. This is achieved when the plastic footprint that corresponds to all products under a specific product category or sub-range within a company's portfolio has been matched with equivalent Plastic Credits, bringing the plastic footprint to at least net zero for a defined period.

Brand. This is achieved when the plastic footprint that corresponds to all products under a specific Brand has been matched with equivalent Plastic Credits, bringing the plastic footprint to at least net zero for a defined period.

Company. This is achieved when the plastic footprint that corresponds to all parts of the company's operations, including the plastic inputs for producing the products and services, logistics, advertising, promotion and selling, as well as general administrative activities of a company has been matched with equivalent Plastic Credits, bringing the plastic footprint to at least net zero for a defined period.

Event. This is achieved when the plastic footprint that corresponds to all activities under a specific event (including preparations and clean-up) has been matched with equivalent Plastic Credits, bringing the plastic footprint to at least net zero for the event's defined period.

Companies seeking any kind of Certification shall undertake the following process:

1. **Define Scope.** The state of being Plastic-Free/Neutral/Negative may be achieved at different levels in an Offset Partner's operations. It is critical that a good baseline measurement is achieved, and the first step is to define the coverage of the operations that will be matched with corresponding Credits. In addition to the level of operations, the Offset Partner must specify the coverage period where the plastic footprint will be calculated from

documentation and other pertinent records. The entity applying for Certification must be clearly defined by name with a description of relevant legal and/or geographical boundaries.

In the Plastic Footprint Calculator, PCX provides guidance on accounting for the full life cycle assessment of recycled materials.

Thus, the following calculations shall be applied with the succeeding requirements for Certifications:

For Brands:

Retain minimum of 10% of Recycled Packaging due for plastic offsetting

For Manufacturers: Base the Plastic Footprint on raw material inputs

For more information, please refer to [PCX Guidance Note 02 PET Recycling Material Analysis for Plastic Credit Treatment](#).

2. **Measure and Verify Plastic Footprint.** Once the Offset Partner has defined the scope of its desired level of Plastic-Free/Neutral/Negative Certification, the Partner assesses its plastic waste impact or plastic footprint. PCX facilitates the computation and assessment, by assisting the organization with the [Plastic Footprint Calculator](#) and helps the organization submit its computed Plastic Footprint to a third-party assessor for auditing. The Offset Partner may opt to use other Plastic Footprint Calculation methods (such as EPR Toolkit and the WWF ReSource kit) as long as the minimum requirements of the PCX Plastic Footprint Calculation. The Offset Partner must prepare and gather data needed, and calculate the company, brand, or product's total Plastic Footprint, defined as all the plastic purchased along the value chain starting upon ownership and receipt of raw materials up until use of product or service by consumers in its intended purpose. The Offset Partner must contract an independent auditor approved by PCX and this assessment partner should understand the full set of data that will be included in its assessment. As their calculation of the plastic footprint underpins the qualification for Plastic-Free/Neutral/Negative Certification, the Offset Partner must provide PCX with a true and certified copy of this audit document.

3. **Secure Plastic Credits** (For Plastic Neutral and Plastic Negative Certification only). An Offset Partner covering Product, Brand or Company commits to cover its plastic footprint for a period of three (3) consecutive years.

The Offset Partner may specify any month as the start of the defined period. The Plastic Offsetting commitment (as part of the Offset Partner's comprehensive solutions including reduction and recycling) should be based on:

- a. Year 1: Actual Plastic Footprint for the past year
- b. Year 2: Plastic Footprint the current year
- c. Year 3: Plastic Footprint forecasted for the succeeding year

For Offset Partners for Event, the Plastic Credits shall correspond to the total Plastic Footprint including preparation and post-event activities. The Plastic Neutral or Plastic Negative Certification shall only be released once the actual Plastic Footprint has been verified.

The purchased Plastic Credits and supporting documentation shall be published on the blockchain ledger. Re-assessment and verification of the Plastic Footprint will have to be conducted by the Offset Partner every year.

Plastic-Free Partners do not need to secure Plastic Credits but shall submit an audit certification that the Plastic Footprint based on the defined scope and period is zero. Procedures for verification and monitoring shall be agreed by PCX and the Applicant.

4. **Communicate.** When an entity qualifies as an official Plastic-Free/Neutral/Negative Certified partner, it is granted rights to the use of the Plastic-Free/Neutral/Negative Certified badge, to signify its action and commitment in its packaging and marketing communications. PCX provides the assets and guidance for applying the Plastic-Free/Neutral/Negative Certified Badge in its packaging and communications. All communications relating to one's Plastic-Free/Neutral/Negative Certification status must be factually based, clear, and transparent. All Plastic-Free/Neutral/Negative Certified partners must publicly disclose their plastic footprint assessments, offsets and other related initiatives on reduction and recycling relating to their Plastic-Free/Neutral/Negative certification on blockchain ledger. The use of the Plastic-Free/Neutral/Negative badge must conform to the usage terms

laid out on Appendix 02. It is the Offset Partner's responsibility to ensure that their claims are compliant with any local guidelines.

An Offset Partner's Plastic-Free/Neutral/Negative status begins when they are awarded the Plastic-Free/Neutral/Negative Certificate by PCX. Failure to comply with the PPRS and agreements with PCX may result in suspension or termination of the Offset Partner's Plastic-Free/Neutral/Negative status and the corresponding legal remedies will apply.

PCX encourages all businesses to achieve a Plastic-Free/Neutral/Negative certification and as such, devises ways for business across all sizes to participate in the process with the necessary rigor, accountability, and transparency. Specific guidelines for each type of business are provided in Appendix 03.1 and Appendix 03.2.



6

SAFEGUARD SYSTEMS

(For Operating Partners)

Environmental Impact and Pollution Prevention. The Operating Partners' compliance to the PPRS provides assurances that in the process of reducing the plastic waste, there shall be no detrimental impacts to other aspects of the environment. This includes pollution prevention and abatement, biodiversity and marine conservation, management of natural resources and the welfare of the people. Potential impacts and risk assessment shall be conducted by the Operating Partner in all aspects of operations and mitigation measures put in place when necessary.

Occupational Health and Safety. The Operating Partner shall consider the health and safety of the people and properties involved in all stages of operations. The risks inherent to the activities shall be identified and addressed prior to the conduct of the activities from aggregation up to processing. Necessary measures shall be implemented by the Operating Partner to avoid accidents, injuries and diseases arising from or associated to the activities including emergency response and preparedness.

Gender Equality and Social Inclusion. Operations shall not implement any specific activities that constitute any form of discrimination or harassment. The Operating Partner shall observe and promote best practices on gender equality and inclusivity.

Feedback and Grievance Mechanism. PCX recognizes the important role of the stakeholders in the PPRS. Consultations and feedback mechanisms shall be in place and will be available throughout the implementation of the activities. PCX incorporates the views of all the stakeholders in the conduct of the activities and the disclosure of Plastic Credits in the blockchain ledger. Stakeholders and the public may submit their grievances, concerns on the PPRS implementation through email to info@plasticcreditexchange.com.

Prohibited Materials and Activities. In the conduct of plastic waste collection and processing, the Operating Partners shall not engage the following:

- i. Activities involving forms of forced or child labor.
- ii. Activities deemed illegal under international conventions and host country regulations; and
- iii. Activities involving toxic and hazardous materials including weapons, munitions, and radioactive materials.

7

APPENDICES

Appendix 01 – Accreditation of Processing Partners

- a. Through internal referrals or external inquiries, Plastic Credit Exchange (PCX) will reach out to individuals or organizations who are interested to participate in the PCX as an aggregator, a transport or hauling partner or both and present the requirements to be accredited to the platform through a service proposal. For cases where the party is interested to become an integrated aggregator-hauler-processor, the requirements of all sections in the form should be satisfied.
- b. Party shall submit the identified regulatory and environmental requirements per the country's requirements as identified in PCX-OP-002-F1.
- c. PCX shall conduct the review of the documents and due diligence (including site visits) to verify the requirements of PCX's PPRS on Environmental Impact and Pollution Prevention, Occupational Health and Safety and Prohibited Materials and Activities.
- d. The Standards and Compliance Manager and the Sustainability Campaign Manager will confirm the compliance of the applying party to the Plastic Pollution Reduction Standards and other requirements.
- e. The Standards and Compliance Manager or the PCX-authorized auditor shall regularly inspect the Aggregators' and Haulers' compliance to the requirements which include the inspections to the facilities at least once every year. The partner's compliance shall be documented using PCX-OP-002-F2.

ACCREDITATION CHECKLIST FOR OPERATIONS PARTNERS

Control No. _____

Date: _____

Auditor: _____

Purpose:

- ☐ Accreditation (New Partner)
☐ Monitoring (Existing Partner)

Instructions: The following form provides PCX with a guide on how to assess the environmental, labor, and safety compliance of the Operating Partners who will be accredited by PCX. PCX may request further documentation in addition to those listed or seek additional field inspections, if necessary.

Part 1. General Information

	Required Info	Details	Documents to Submit
1.1	Company Name		Certificate of Registration Business Permit Articles of Incorporation
1.2	Type of Operations	<ul style="list-style-type: none"> • Aggregator • Hauler • Processor 	
1.3	Address		
1.4	President / CEO		
1.5	Contact Person		
1.6	Designation		
1.7	Contact Number		
1.8	E-mail Address		
1.9	Year established		

Part 2. Process Descriptions

No.	Scoping Questions	Answers	Documents to Submit	Remarks
2.1	Products		Technical specifications	
2.2	Raw Materials Accepted	<ul style="list-style-type: none"> • PET • HDPE • PVC • LDPE • PP • PS • Others (describe) 	Material Data Sheet	

2.3	Description of Processes / Technology Maturity		Process Flow Diagram	
2.4	Equipment / Materials used in the operations		Equipment List, Calibration Certificates	
2.5	Documents that provide information on the plastics that were received and processed in the facility		Certificate of Deliveries, Certificate of Disposal or Processing, Delivery Receipts, Bill of Lading	
2.6	Provide any quality, environmental or any other certifications for the Company's operations		Example: ISO certificates	
2.7	Identify the key shareholders (government agencies, private corporation partners, community partners) in the operations. Please also provide their contact details in case there is a need to correspond with them as well.			
2.8	Conduct baseline measurements for additionality checking of subsequent plastic credits			

Part 3. Environmental Impact and Mitigation

No.	Scoping Questions	Answers	Documents to Submit	Remarks
3.1	Are the processes registered and recognized by the local environment regulating agency (e.g. DENR)?		Country's Environmental Compliance Certificate and Permit-to-Operate	
3.2	Are there areas of physical, natural or cultural significance (rivers, waterways, etc) affected by the plant operations?		Location Map of operations	
3.3	Are there any effluents (liquid) in the process? What is the disposal		Discharge Permit and Test reports	


	strategy and how is it monitored?			
3.4	Are there any emissions (gas) in the process? What is the disposal strategy and how is it monitored?		Discharge Permit and Test reports	
3.5	Provide the latest sustainability report for the company's operations (if any)		ESG or sustainability report	
3.6	Provide estimation of Greenhouse Gas Emissions from the Operations			

Part 4. Safeguards

No.	Scoping Questions	Answers	Documents to Submit	Remarks
4.1	Do the Operating Partner's processes ensure that there are no activities in the Plastic Pollution Reduction Standard's prohibited list? <ul style="list-style-type: none"> Activities involving forms of forced or child labor Activities deemed illegal under international and country regulations Activities involving toxic and hazardous materials 			
4.2	What is the Operating Partner's occupational health and safety policy?		OHS Policy or OHS Manual	
4.3	Has the Operating Partner received complaints from sensitive receptors? How are these resolved?		Articles or related reports	
4.4	Has the Operating Partner received notices of non-compliance with regulating			

	agencies? How are these resolved?			
4.5	Describe the core labor standards implemented by the Operating Partner?			

Part 5. PCX Assessment



Decision:

☐ **Approved**

☐ **Need Further Information**

☐ **Defer / Disapprove**

Prepared By: _____

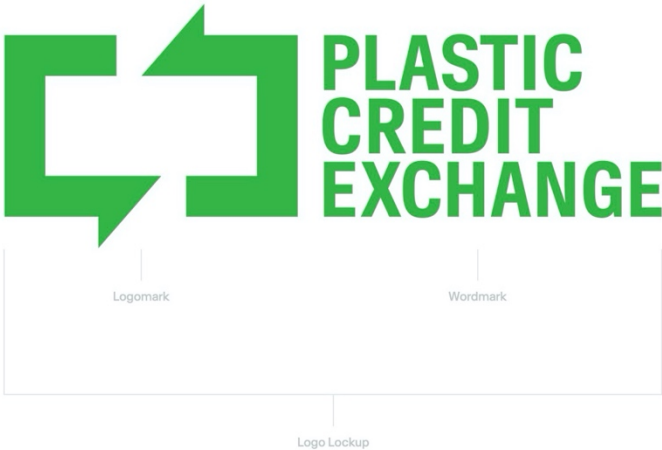
Reviewed By:

Standards and Compliance Manager

Sustainability Campaign Manager

Appendix 02 – Communication Guide on the Use of Plastic Neutral Badge and Certificates

Logo
Overview



Logo - Brand Marks
Usage

To ensure we are building the proper brand equity, it all starts with the logos and how they are used.

For clear and consistent brand communications we strongly recommend following these guidelines around the usage of the PCX logos at all times.

Logo

Who Uses It

Where

Primary Logo Lockup



All PCX communications, media publications, collaborators, and various stakeholders.

Off-product only. On websites, print articles, and corporate communication materials.

Most instances that might be an individual or companies introduction to the brand. Having the full lockup will communicate the brand most clearly and ultimately build brand equity.

Abbreviated Logo Lockup



All PCX communications, media publications, collaborators, and various stakeholders.

For small instances only. Off-product, on websites, print articles, and corporate communication materials.

Logomark



All PCX communications, media publications, collaborators, and various stakeholders.

This mark can be used alone in instances where the full lockup is already present or in moments that are more consumer-focused. T-Shirts and other branded merchandise, website, social media, etc.

Logo - Brand Marks Incorrect Usage

To ensure we are building the proper brand equity, it all starts with the logos and how they are used.

For clear and consistent brand communications we strongly recommend following these guidelines around the usage of the PCX logos at all times.



Do not change the scale relationship within any of the lockups.



Do not stretch or alter the ratio of any of the logos.



Do not use the logo in multiple colors.



Do not alter the typeface within the logos.



Do not adjust the layout or spacing of any of the logos.



Do not adjust the orientation of any of the logos.



Brand Guide

Logo - Brand Marks

5

Logo - On-Pack Badges Usage Guidelines —Tiers

Similar to our brand marks, the on-pack lockups are an important moment to build brand equity.

This is likely the most common point for consumers to interact with the brand and it's important that experience is as consistent as possible brand-to-brand and product-to-product.

This is also a moment for the brand to flaunt the Plastic Neutral Badge proudly. Therefore it's designed in a way that can work at large and small scales as well as any of the brand's colors giving the brand the flexibility to highlight the badge in a variety of ways.

Logo

Who Uses It

Where

Plastic Neutral Product



Companies starting off their Plastic Neutral journey with selected parts of their product portfolio and have been awarded Plastic Neutral Product Certification.

On all SKUs of the product category or sub-range and marketing collaterals of the Plastic Neutral Certified Product only.

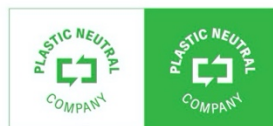
Plastic Neutral Brand



Companies with multi-brand portfolios starting off their Plastic Neutral journey with a specific brand under its product portfolio and have been awarded Plastic Neutral Brand Certification.

On all SKUs and marketing collaterals of the Plastic Neutral Certified Brand.

Plastic Neutral Company



Companies who have opted for the boldest example of Plastic Neutrality. For single-brand or single-product companies, as well as service companies and professional firms that have been awarded Plastic Neutral Company Certification.

On all SKUs and all marketing communications of the Plastic Neutral Certified Company.



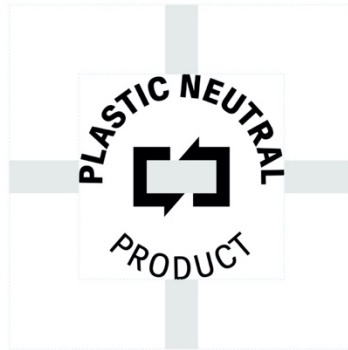
Brand Guide

Logo - On-Pack Badges

6

No Background Circle

For use on simple, one or two color backgrounds.



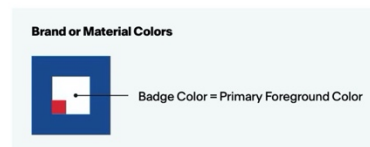
With Background Circle

For use on more complex, multi-color backgrounds like photography or illustration.



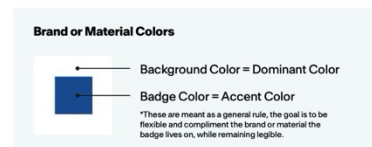
No Background Circle

For use on simple, one or two color backgrounds.



With Background Circle

For use on more complex, multi-color backgrounds like photography or illustration.



Logo - On-Pack Badges Incorrect Usage

Similar to our brand marks, the on-pack lockups are an important moment to build brand equity.

This is likely the most common point for consumers to interact with the brand and it's important that experience is as consistent as possible brand-to-brand and product-to-product.

This is also a moment for the brand to flaunt the Plastic Neutral Badge proudly. Therefore it's designed in a way that can work at large and small scales as well as any of the brand's colors giving the brand the flexibility to highlight the badge in a variety of ways.



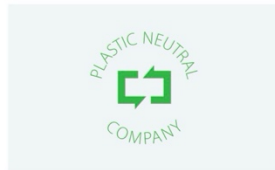
Do not change the scale relationship within any of the lockups.



Do not stretch or alter the ratio of any of the logos.



Do not use multiple colors within the lockups.



Do not alter the typefaces within the lockups.



Do not use any non-approved layouts of the lockups.



Do not alter the orientation or format of the lockups.

Appendix 03.1 – Specific Guidelines and Requirements for Businesses applying for Plastic Neutral/Negative Certification

Offset Partner's Pledge:

This application serves to safeguard that the Offset Partners have reported the information required to carry the Plastic Neutral/Negative badge according to the PPRS.

Three parties are involved in the completion of this application:

1. The Plastic Credit Exchange (PCX) must receive the accomplishment and signed form.
2. The applicant must complete and submit this form to PCX.
3. The "Third Party Independent Auditor", a qualified assessment auditor contracted by the Applicant, must certify that the measurement of the applicant's plastic footprint conforms with the stipulations of PPRS.

DEFINE SCOPE

<input type="checkbox"/> Plastic Negative	<input type="checkbox"/> Plastic Neutral
<input type="checkbox"/> Product	<input type="checkbox"/> Brand
<input type="checkbox"/> Company	<input type="checkbox"/> Event

1. Certification applicant, e.g. name and description of company, brand, and/or product:

--

2. Certification duration

From	mm/	dd/	yyyy	To	mm/	dd/	yyyy
------	-----	-----	------	----	-----	-----	------

MEASURE AND VERIFY PLASTIC FOOTPRINT

----- To be completed by the Third Party Independent Auditor -----

3. Date of completion of plastic footprint assessment	From	mm/	dd/	yyyy
	To	mm/	dd/	Yyyy
4. Period of data used for the plastic footprint assessment	From	mm/	dd/	yyyy
	To	mm/	dd/	Yyyy

----- To be completed by the Third Party Independent Auditor -----

5. Date of previous of plastic footprint assessment, if applicable

mm/	dd/	yyyy
-----	-----	------

6. Total Plastic Footprint, metric tons

7. I certify that the total plastic footprint stated has been calculated in conformance with the framework set out in the Plastic Neutral Pact and recommend this company for neutrality for the scope defined. (please check)

☐

8. I certify that the input data and calculations that underpin the above Plastic Footprint are attached to the submission of this Certification Form. (please check)

☐

9. Name of Third Party Independent Auditor assessing applicant's Plastic Footprint:

10. Authorized Signatory of the Third-party Independent Auditor:

11. Name:

12. Designation:

13. Date Signed:

14. Contact Information

----- End of section to be completed by the Third Party Independent Auditor -----

TESTIMONY

I attest that the information provided on this certification form is a true and accurate representation of my product, brand, and/or company to the best of my knowledge.

I attest that I am authorized to submit this data and execute this certification form on behalf of my company.

15. Signature

16. Name

17. Designation

18. Date Signed

Please submit this certification form and all supporting documents to
info@plasticcreditexchange.com for verification.

VERIFICATION OF PLASTIC CREDITS

19. Amount of Plastic Credits purchased from PCX, metric tons

20. Serial number/s of Plastic Credits Certificate Issued



This application serves to safeguard that the Offset Partners have reported the information required to carry the Plastic Neutral/Negative badge according to the Plastic Pollution Reduction Standard.

Appendix 03.2 - Specific Guidelines and Requirements for Small Businesses applying for Plastic Neutral/Negative Certification

This application only applies to businesses which have annual plastic footprint less than or equal to 100MT.

Two parties are involved in the completion of this application:

1. The Plastic Credit Exchange (PCX) must receive the accomplishment and signed form.
2. The 'Applicant' must complete and submit this form to PCX.

DEFINE SCOPE

<input type="checkbox"/> Plastic Negative	<input type="checkbox"/> Plastic Neutral
<input type="checkbox"/> Product	<input type="checkbox"/> Brand
<input type="checkbox"/> Company	<input type="checkbox"/> Event

1. Certification applicant, e.g. name and description of company, brand, and/or product:

--

2. Certification duration

From	mm/	dd/	yyyy	To	mm/	dd/	yyyy
------	-----	-----	------	----	-----	-----	------

MEASURE AND VERIFY PLASTIC FOOTPRINT

----- To be completed by the Third Party Independent Auditor -----

3. Date of completion of plastic footprint assessment	From	mm/	dd/	yyyy
	To	mm/	dd/	Yyyy
4. Period of data used for the plastic footprint assessment	From	mm/	dd/	yyyy
	To	mm/	dd/	Yyyy
5. Date of previous of plastic footprint assessment, if applicable		mm/	dd/	yyyy
6. Total Plastic Footprint, metric tons				

TESTIMONY

I attest that the information provided on this certification form is a true and accurate representation of my product, brand, and/or company to the best of my knowledge in conformance with the framework set out in the Plastic Pollution Reduction Standard.

I attest that the input data and calculations that underpin the above Plastic Footprint are attached to the submission of this Certification Form.

I attest that I am authorized to submit this data and execute this certification form on behalf of my company.

I attest that I have received the relevant instructions and guidelines and have the necessary skills, experience and/or resources to compute for the Plastic Footprint in accordance with the methodology provided by PCX.

After due investigation and reasonable inquiry, I confirm that the plastic footprint is below 100 metric tons annually for all the plastic used in your products and operations thereof and that the volumes claimed as the Plastic Footprint in this document are true to my knowledge.

I attest that any false or misleading statements or omissions made herein will cause the immediate suspension or revocation of Plastic Neutral/Negative status and my company will be required to immediately cease any representation thereof. I also hereby agree and understand that any breach of the confirmations, representations or certifications provided herein will cause reputational harm and irreparable damage to PCX for which the recovery of damages alone would be inadequate.

Therefore, PCX will be entitled to obtain timely injunctive relief under this Agreement, in addition to any such other further relief as may be available under applicable law and as may be granted by a court of competent jurisdiction.

7. Signature

8. Name

9. Designation

10. Date Signed

Please submit this certification form and all supporting documents to info@plasticcreditexchange.com for verification.

----- *To be completed by representative from PCX*-----

VERIFICATION OF PLASTIC CREDITS

11. Amount of Plastic Credits purchased from PCX, metric tons

12. Serial number/s of Plastic Credits Certificate Issued



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